

Title (en)
ANTENNA DEVICE

Title (de)
ANTENNENVORRICHTUNG

Title (fr)
DISPOSITIF D'ANTENNE

Publication
EP 3540851 B1 20200930 (EN)

Application
EP 19160216 A 20190301

Priority
JP 2018045503 A 20180313

Abstract (en)
[origin: EP3540851A1] An antenna device, transmitting and receiving an electromagnetic wave via a cover member arranged to cover a front region of an outside of a device, includes: a circuit board; an antenna disposed in the circuit board, transmitting the electromagnetic wave toward the front region, and receiving the electromagnetic wave from the front region; a housing having an opening in a front surface for passage of the electromagnetic wave and housing the circuit board for transmission and reception of the electromagnetic wave via the opening; and a bracket retaining the housing and fixing the housing to the cover member in a front direction of the opening. The bracket has a sheet-shaped or plate-shaped adjuster that is disposed to cover a region in the front direction of the opening and closely contact with an inner surface of the cover member and adjusts pass characteristics of the electromagnetic wave in the cover member.

IPC 8 full level
H01Q 1/32 (2006.01); **G01S 13/931** (2020.01); **H01Q 1/42** (2006.01)

CPC (source: CN EP US)
G01S 7/03 (2013.01 - EP US); **G01S 7/038** (2013.01 - EP US); **G01S 13/931** (2013.01 - EP US); **H01Q 1/3208** (2013.01 - CN); **H01Q 1/3233** (2013.01 - CN US); **H01Q 1/3283** (2013.01 - EP US); **H01Q 1/42** (2013.01 - CN EP US); **H01Q 1/421** (2013.01 - US); **H01Q 15/08** (2013.01 - US); **H01Q 19/021** (2013.01 - CN); **H01Q 19/06** (2013.01 - CN); **G01S 7/027** (2021.05 - EP US); **G01S 2013/93271** (2020.01 - EP US); **G01S 2013/93275** (2020.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3540851 A1 20190918; **EP 3540851 B1 20200930**; CN 110277632 A 20190924; JP 2019158592 A 20190919; US 2019288383 A1 20190919

DOCDB simple family (application)
EP 19160216 A 20190301; CN 201910154907 A 20190301; JP 2018045503 A 20180313; US 201916286659 A 20190227